

## Complete Summary

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### TITLE

Hypertension diagnosis and treatment: percentage of patients presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Hypertension diagnosis and treatment. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Oct. 53 p. [97 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

#### Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients with hypertension presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record.

### RATIONALE

The priority aim addressed by this measure is to increase the percentage of patients with hypertension who receive patient education, especially in the use of non-pharmacological treatments.

### PRIMARY CLINICAL COMPONENT

Hypertension; patient education (weight reduction and maintenance, moderation of dietary sodium, moderation of alcohol intake, adequate physical activity, Dietary Approaches to Stop Hypertension (DASH) diet, tobacco avoidance, drug therapy)

#### DENOMINATOR DESCRIPTION

Total number of patients age 18 years and over with hypertension whose medical records are reviewed (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

#### NUMERATOR DESCRIPTION

Number of patients whose medical records contain documentation of discussion of modifiable risk factors (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

### Evidence Supporting the Measure

#### EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

#### NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Hypertension diagnosis and treatment.](#)

### Evidence Supporting Need for the Measure

#### NEED FOR THE MEASURE

Unspecified

### State of Use of the Measure

#### STATE OF USE

Current routine use

#### CURRENT USE

Internal quality improvement

### Application of Measure in its Current Use

#### CARE SETTING

Physician Group Practices/Clinics

#### PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

#### LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

#### TARGET POPULATION AGE

Age greater than or equal to 18 years

#### TARGET POPULATION GENDER

Either male or female

#### STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

### Characteristics of the Primary Clinical Component

#### INCIDENCE/PREVALENCE

Unspecified

#### ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

#### BURDEN OF ILLNESS

Unspecified

#### UTILIZATION

Unspecified

#### COSTS

Unspecified

### Institute of Medicine National Healthcare Quality Report Categories

#### IOM CARE NEED

Living with Illness

## IOM DOMAIN

Effectiveness  
Patient-centeredness

## Data Collection for the Measure

### CASE FINDING

Users of care only

### DESCRIPTION OF CASE FINDING

Total number of patients age 18 years and over with hypertension whose medical records are reviewed

Medical groups may generate a list of patients meeting the inclusion criteria. This list would be newly created not less than every 6 to 12 months to remain current. Data may be collected by medical record review. Determine the presence of documentation of a discussion about modifiable risk factors at the clinic visit within the past month.

Randomly selected cases may be reviewed monthly.

### DENOMINATOR SAMPLING FRAME

Patients associated with provider

### DENOMINATOR INCLUSIONS/EXCLUSIONS

#### Inclusions

Total number of patients age 18 years and over with hypertension whose medical records are reviewed\*

\*Patients age 18 years and over who have had a clinic visit within the past month having primary, secondary, or tertiary International Classification of Diseases, Ninth Revision (ICD-9) codes 401.0, 401.1, and/or 401.9.

#### Exclusions

Unspecified

### DENOMINATOR (INDEX) EVENT

Clinical Condition  
Encounter

### DENOMINATOR TIME WINDOW

Time window is a fixed period of time

#### NUMERATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Number of patients whose medical records contain documentation\* of discussion of modifiable risk factors

\*Documented is defined as any evidence in the medical record that a clinician discussed modifiable risk factors which include: weight reduction and maintenance, moderation of dietary sodium, moderation of alcohol intake, adequate physical activity, the Dietary Approaches to Stop Hypertension (DASH) diet, tobacco avoidance, and drug therapy.

##### Exclusions

Unspecified

#### NUMERATOR TIME WINDOW

Encounter or point in time

#### DATA SOURCE

Administrative data

Medical record

#### LEVEL OF DETERMINATION OF QUALITY

Individual Case

#### PRE-EXISTING INSTRUMENT USED

Unspecified

### Computation of the Measure

#### SCORING

Rate

#### INTERPRETATION OF SCORE

Better quality is associated with a higher score

#### ALLOWANCE FOR PATIENT FACTORS

Unspecified

#### STANDARD OF COMPARISON

Internal time comparison

## Evaluation of Measure Properties

### EXTENT OF MEASURE TESTING

Unspecified

## Identifying Information

### ORIGINAL TITLE

Percentage of patients presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record.

### MEASURE COLLECTION

[Hypertension Diagnosis and Treatment Measures](#)

### DEVELOPER

Institute for Clinical Systems Improvement

### ADAPTATION

Measure was not adapted from another source.

### RELEASE DATE

2003 Apr

### REVISION DATE

2005 Oct

### MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Hypertension diagnosis and treatment. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Feb. 47 p.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Hypertension diagnosis and treatment. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Oct. 53 p. [97 references]

### MEASURE AVAILABILITY

The individual measure, "Percentage of patients presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record," is published in "Health Care Guideline: Hypertension Diagnosis and Treatment." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC STATUS

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